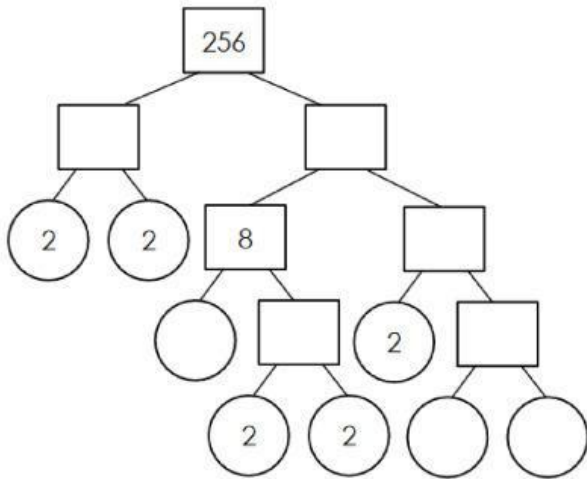
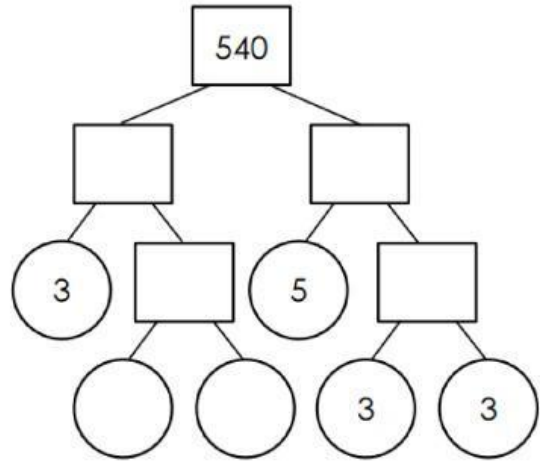


NAME		WEEK	
DATE		YEAR 7	

**TOPIC: PRIME AND PRIME FACTORS**

No.	Questions	Answers
1.	Express 110 as the product of prime factors. [1]	
2.	Find the prime factorization of 520. [2]	
3.	Given that $2^x = 32$ , find the value of $x$ . [2]	
4.	Express 130 as the product of prime factors. [2]	

5.	Given that $648 = 2^x \times 3^y$ , find the values of $x$ and $y$ . [2]	$x =$ _____ $y =$ _____
6.	Complete the factor tree below. [2]	 <pre>graph TD     256[256] --- A[ ]     256 --- B[ ]     A --- 2((2))     A --- 2((2))     B --- 8[8]     B --- C[ ]     8 --- D(( ))     8 --- E[ ]     C --- 2((2))     C --- F[ ]     E --- 2((2))     E --- G(( ))     F --- H(( ))     F --- I(( ))</pre>
7.	Complete the factor tree below. [2]	 <pre>graph TD     540[540] --- A[ ]     540 --- B[ ]     A --- 3((3))     A --- C[ ]     B --- 5((5))     B --- D[ ]     C --- E(( ))     C --- F(( ))     D --- 3((3))     D --- 3((3))</pre>